THERE IS CLAIMED:

1. A communication equipment for an Internet Protocol communication network, including a set of interfaces each of which is connected to one or more other communication equipments, means for receiving an address prefix from a first other communication equipment, and allocation means for allocating to at least a subset of said other communication equipments to which said first other communication equipment does not belong a sub-prefix formed of said address prefix concatenated with an individual identifier whose length depends on the total number of other communication equipments.

2. A communication equipment according to the preceding claim compatible with a protocol of the IPv6 type.

3. A method of allocating prefixes in an Internet Protocol type communication network in which a communication equipment has a set of interfaces each of which is connected to one or more other communication equipments and means for receiving an address prefix from a first other communication equipment, in which method the communication equipment allocates to at least a subset of said other communication equipments to which said first other equipment does not belong a sub-prefix formed of said address prefix concatenated with an individual identifier whose length depends on the total number of other communication equipments.